BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads nd Drains at Attur village in Chithra layout surrounding in Ward No. 03

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	For RCC Drain	Cum							
	Chithra Layout								
	5th cross								
	6th cross		2	114.00	1.20	0.90	246.24		
	Main Road		2	105.00	1.20	0.90	226.80		
	Cross Road A		2	168.00	1.20	0.90	362.88		
	Cross Road 1		2	20.00	1.20	1.00	48.00		
	Cross Road 2		2	105.00	1.20	1.00	252.00		
	Cross Road 3		1	102.00	1.20	1.00	122.40		
	Culvert		1	70.00	1.20	1.00	84.00		
			6	6.00	1.50	1.00	54.00		
							1396.32	215.28	**300599.77**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Drain	Cum							
	Chithra Layout								
	5th cross								
	6th cross		2	114.00	1.10	0.15	37.62		
	Main Road		2	105.00	1.10	0.15	34.65		
	Cross Road A		2	168.00	1.10	0.15	55.44		
	Cross Road 1		2	20.00	1.10	0.15	6.60		
	Cross Road 2		2	105.00	1.10	0.15	34.65		
	Cross Road 3		1	102.00	1.10	0.15	16.83		
	Culvert		1	70.00	1.10	0.15	11.55		
			6	6.00	1.40	0.15	7.56		
							204.90	5421.90	**1110947.31**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Bottom slab								
	Chithra Layout								
	5th cross		2	114.00	0.90	0.15	30.78		
	6th cross		2	105.00	0.90	0.15	28.35		
	Main Road		2	168.00	0.90	0.15	45.36		
	Cross Road A		2	20.00	0.90	0.15	5.40		
	Cross Road 1		2	105.00	0.90	0.15	28.35		
	Cross Road 2		1	102.00	0.90	0.15	13.77		
	Cross Road 3		1	70.00	0.90	0.15	9.45		
	side walls								
	Chithra Layout								
	5th cross		4	114.00	0.15	0.60	41.04		
	6th cross		4	105.00	0.15	0.60	37.80		
	Main Road		4	168.00	0.15	0.60	60.48		
	Cross Road A		4	20.00	0.15	0.60	7.20		
	Cross Road 1		4	105.00	0.15	0.60	37.80		
	Cross Road 2		2	102.00	0.15	0.60	18.36		
	Cross Road 3		2	70.00	0.15	0.60	12.60		
	Culvert raft		6	6.00	1.20	0.20	8.64		
	Culvert wall		12	6.00	0.23	0.60	9.94		
							395.32		
					Net Qty.		395.32	7070.20	**2794963.18**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 60 kg / cum	Tonne		376.74	0.060	--	22.60		
	Considering steel For culvert @ 90 kg / cum	Tonne		18.58	0.090	--	1.67		
							24.28	73992.24	**1796253.38**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	Chithra Layout								
	5th cross		2	114.00	0.90	--	205.20		
	6th cross		2	105.00	0.90	--	189.00		
	Main Road		2	168.00	0.90	--	302.40		
	Cross Road A		2	20.00	0.90	--	36.00		
	Cross Road 1		2	105.00	0.90	--	189.00		
	Cross Road 2		1	102.00	0.90	--	91.80		

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Cross Road 3		1	70.00	0.90	--	63.00		
							1076.40	2337.00	**2515546.80**
	Data Rate Rs. =	2337							
6	Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
		Sqm							
	Chithra Layout								
	Culvert		6	6.00	1.20	--	43.20		
							43.20	5418.00	**234057.60**
	Data Rate Rs. =	5418							
	Add GST @ 12%						Sub Total 1 Rs.		**8752368.04**
	PMC Charges								**1050284.16**
									97300.00
	Miscellaneous & Rounding off						Sub Total 2 Rs.		**9899952.20**
									47.80
	CERTIFICATE:							Total Rs.	**9900000.00**

1. The work spot has been inspected by me and the work is found to be necessary.
2. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 03-01-2020 and Data Rates
3. The Provisions made in the estimate are quite necessary and adequate.
4. The area comes with in the BBMP limits.

Assistant Engineer
Ward 03
BBMP

Assistant Executive Engineer
Yelahanka Satellite Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

Administrative Sanction for Rs. ..99.00 lakhs
.....Ninety nine lakhs only.....
.....
.....
is accorded under head ..P.1878.....18.par
.....works.....
.....
.....
Registered as CE No. ..... Subject
to conditions contained in enclosed memo
No. EE/YNK/AS III/1/2020-21 Dt 30.6.2020

Executive Engineer

Technical Sanction
Accorded For Rs.99.00lakhs
Head of A/C. P.1878
CER NO :..42..... Dt 01.07.2020

[TA] CE (YNK)

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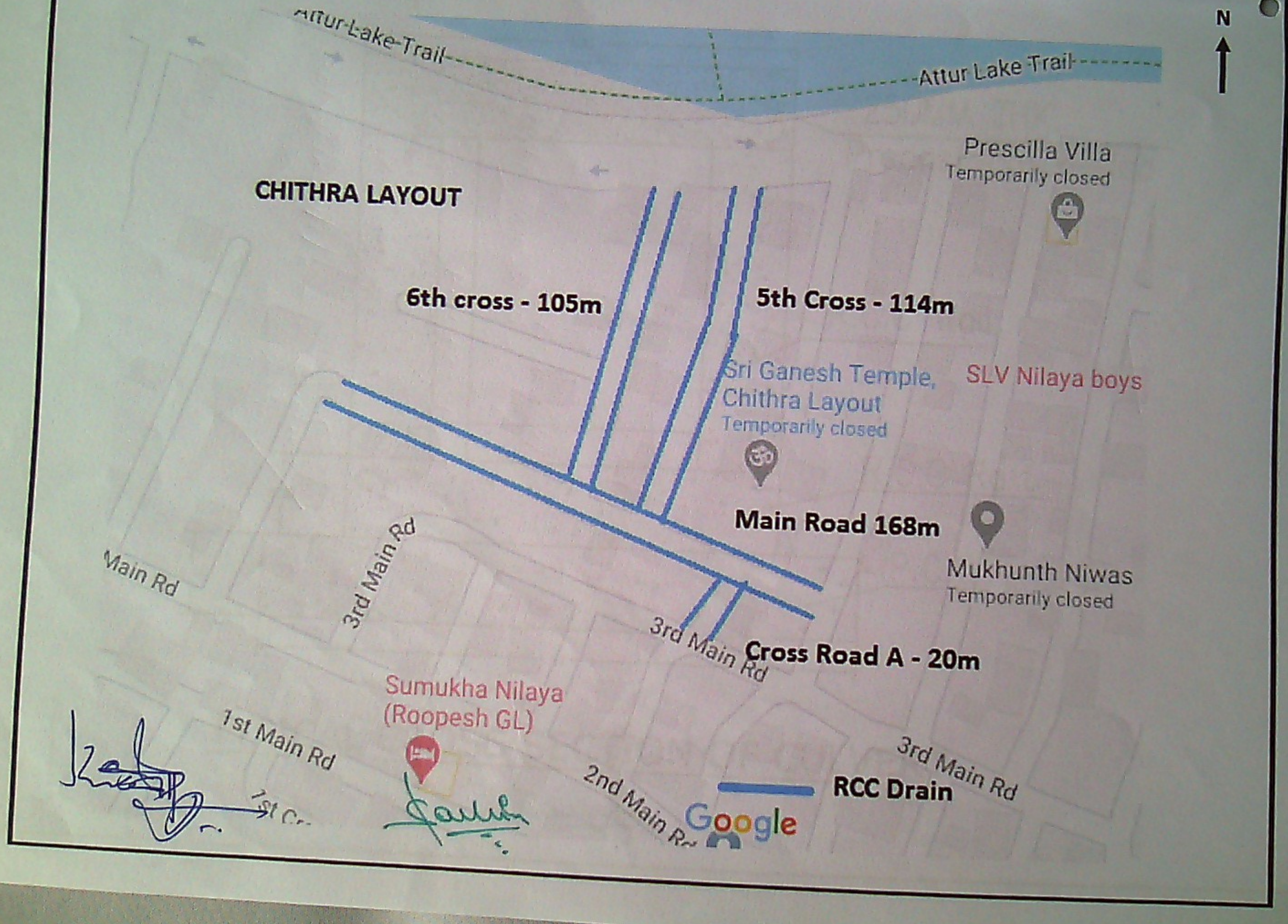
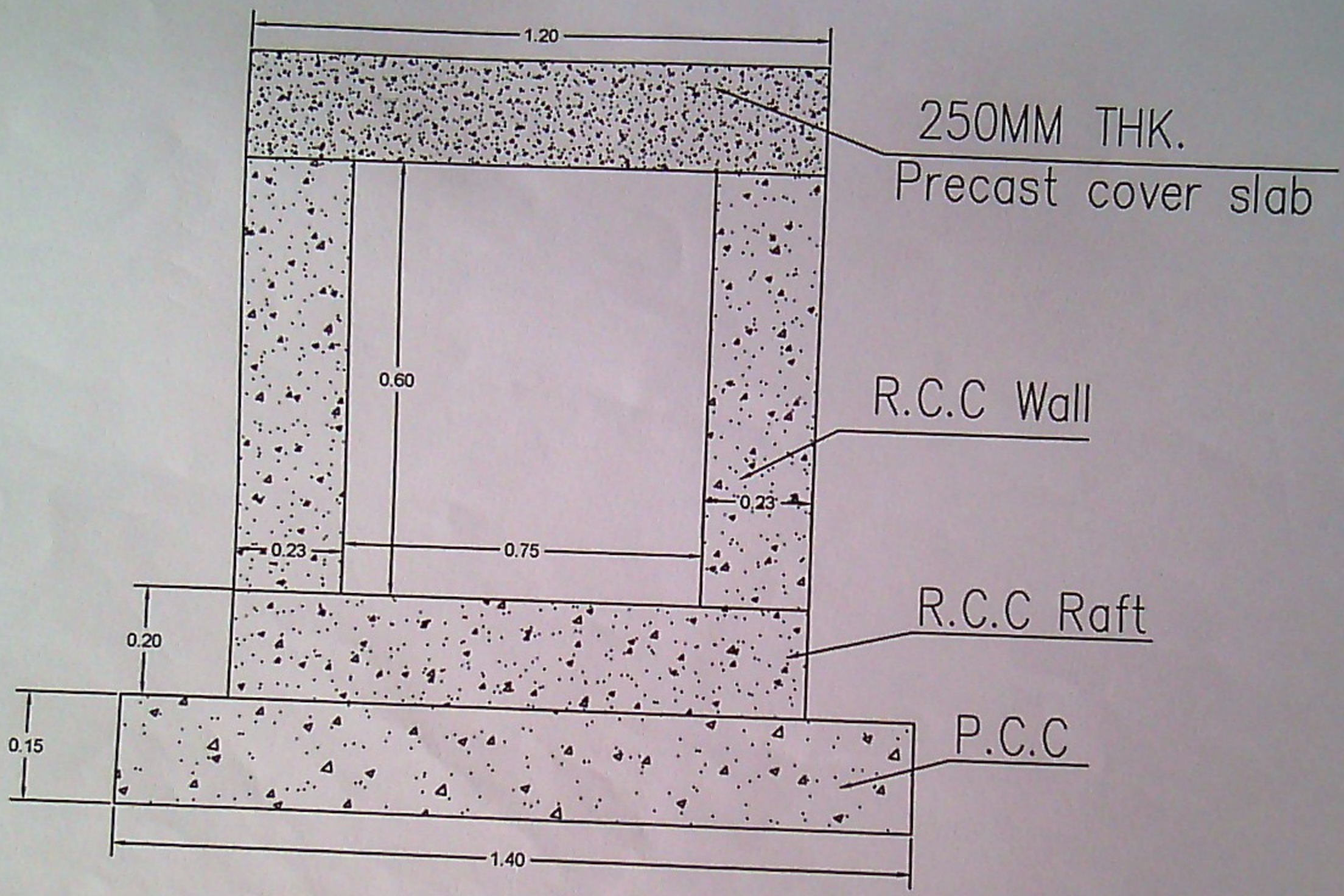
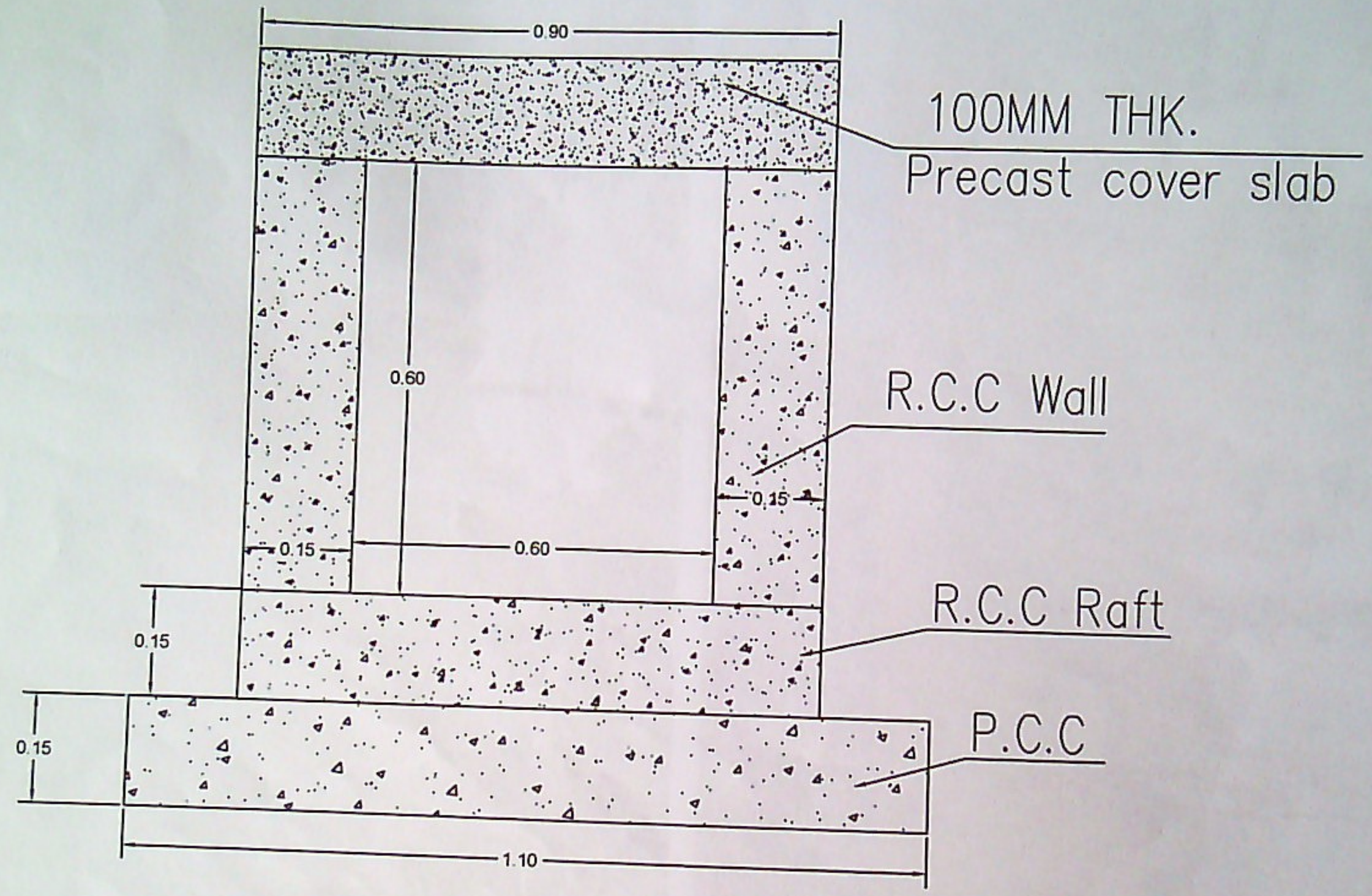




TYPICAL CROSS SECTION OF CULVERT



TYPICAL CROSS SECTION OF DRAIN